AUTODOC CLUB

# How to change front brake pad wear sensor on **BMW 3 Saloon (E90)** – replacement guide

## SIMILAR VIDEO TUTORIAL




This video shows the replacement procedure of a similar car part on another vehicle

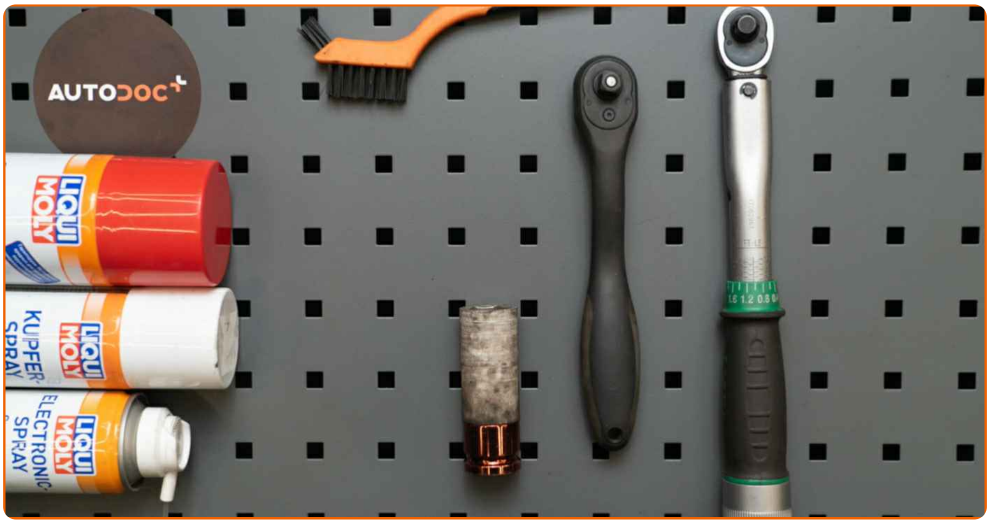
**Important!**

This replacement procedure can be used for:
BMW 3 Saloon (E90) 318d 2.0, BMW 3 Saloon (E90) 320i 2.0, BMW 3 Saloon (E90) 325i 2.5, BMW 3 Saloon (E90) 330i 3.0, BMW 3 Saloon (E90) 320d 2.0, BMW 3 Saloon (E90) 318i 2.0, BMW 3 Saloon (E90) 330d 3.0, BMW 3 Saloon (E90) 320si 2.0, BMW 3 Saloon (E90) 335i 3.0, BMW 3 Saloon (E90) 335d 3.0, BMW 3 Saloon (E90) 325d 3.0, BMW 3 Saloon (E90) 325i 3.0, BMW 3 Saloon (E90) 316i 1.6, BMW 3 Saloon (E90) 323i 2.5, BMW 3 Saloon (E90) 330d xDrive 3.0, (+ 6)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW 1 Coupe (E82) 125i 3.0

# REPLACEMENT: BRAKE PAD WEAR SENSOR – BMW 3 SALOON (E90). TOOLS YOU'LL NEED:




- Nylon cleaning brush
- Electronic spray
- Brake cleaner
- Copper grease
- Wheel impact socket #17
- Torque wrench
- Wheel chock

Buy tools

Replacement: brake pad wear sensor – BMW 3 Saloon (E90). AUTODOC recommends:

- The replacement procedure is identical for both brake pad wear sensors on the same axle.
- All work should be done with the engine stopped.

## REPLACEMENT: BRAKE PAD WEAR SENSOR – BMW 3 SALOON (E90). RECOMMENDED SEQUENCE OF STEPS:

**1** Secure the wheels with chocks.



**2** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**3** Raise the front of the car and secure on supports.

4 Unscrew the wheel bolts.



## Replacement: brake pad wear sensor – BMW 3 Saloon (E90). AUTODOC experts recommend:

- To avoid injury, hold up the wheel when unscrewing the bolts.

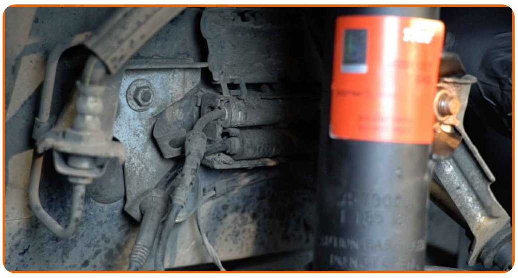
5 Remove the wheel.



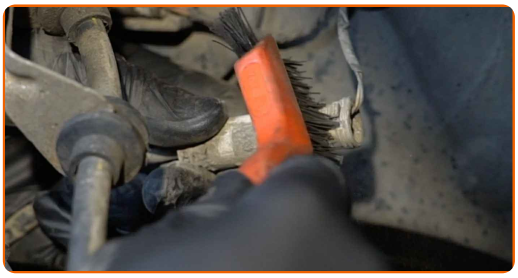
6 Remove the brake pad wear sensor from the brake pad.



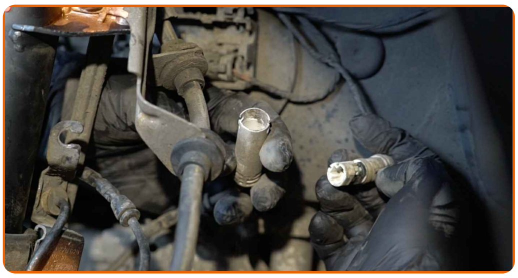
7 Disconnect the brake pads wear sensor.



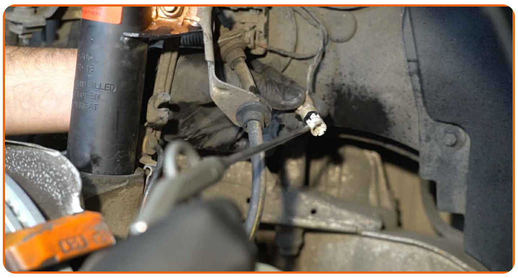
**8** Clean the brake pad wear sensor plug. Use a nylon cleaning brush.



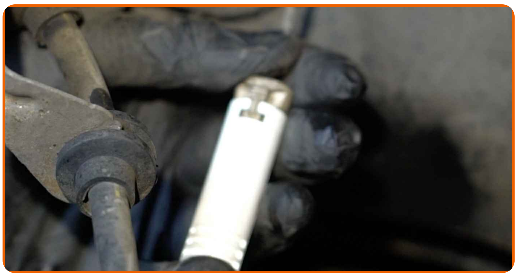
**9** Disconnect the brake pad wear sensor plug.



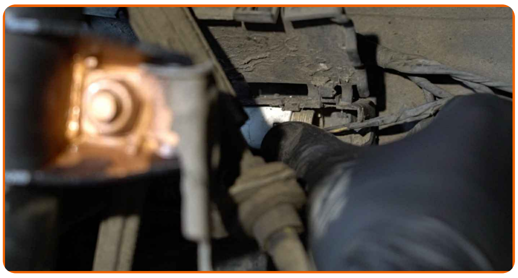
**10** Treat the brake pad wear sensor plug. Use dielectric grease.



**11** Connect the brake pad wear sensor plug.



**12** Connect the brake pads wear sensor.



**13** Install the wear sensor on the brake pads.



**14** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



**15** Clean the brake disk surface. Use a brake cleaner.



## AUTODOC recommends:

- Replacement: brake pad wear sensor – BMW 3 Saloon (E90). After applying the spray, wait a few minutes.

**16** Install the wheel.



## Replacement: brake pad wear sensor – BMW 3 Saloon (E90). Tip:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

**17** Screw in the wheel bolts. Use wheel impact socket #17.



**18** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



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Remove the jacks and chocks.

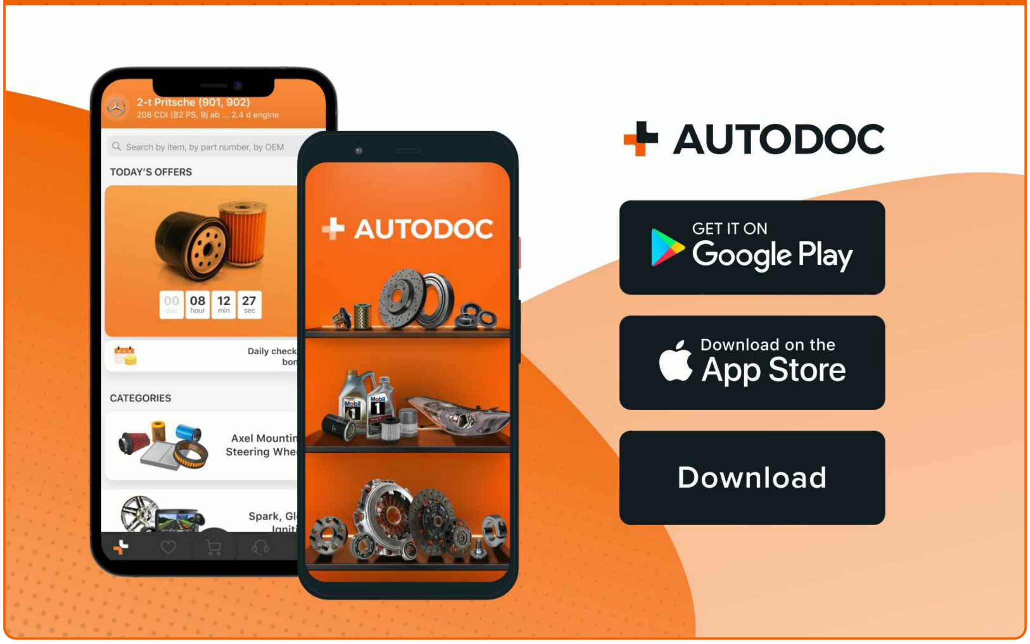


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